



Attorney's Docket No.: 007765.P001

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
)  
Benjamin Guy Davis, et al. )  
) Examiner: Not Yet Assigned  
Application No.: 10/562,599 )  
) Art Unit: Not Yet Assigned  
Filed: December 22, 2005 )  
)  
For: REAGENTS AND METHODS FOR )  
THE FORMATION OF DISULFIDE )  
BONDS AND THE GLYCOSYLATION )  
OF PROTEINS )  
\_\_\_\_\_ )

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If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated:   April 3, 2007  

  
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Stephen M. De Klerk  
Reg. No. 46,503

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300



Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)**Complete if Known**

Application Number	10/562,599
Filing Date	December 22, 2005
First Named Inventor:	Benjamin Guy Davis
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	007765.P001

Sheet 1 of 2

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US-	2002/0019039 A1	02-14-2002	Davis, et al.	
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**FOREIGN PATENT DOCUMENTS**

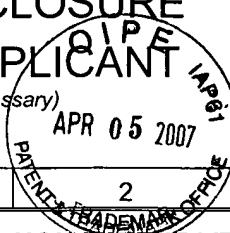
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
			EP 0 256 486 A1		02-24-1988	Seitetsu Kagaku Co. Ltd.		
			JP 61-205249		09-11-1986	Wako Pure Chem Ind. Ltd.		
			WO 94/00427		01-06-1994	Chaudhry		
			WO 00/01712		01-13-2000	Genencor International, Inc.		

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Substitute for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/562,599	
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			Examiner Name	Not Yet Assigned	
Attorney Docket Number	007765.P001				
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<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		DAVIS, BENJAMIN G., et al. "Controlled Site-Selective Glycosylation of Proteins by a Combined Site-Directed Mutagenesis and Chemical Modification Approach," American Chemical Society, J. Org. Chem., 1998, pp. 9614-9615, 63.			
		DAVIS, BENJAMIN G., et al. "Glycomethanethiosulfonates: powerful reagents for protein glycosylation," Tetrahedron: Asymmetry, 2000, pp. 245-262, 11.			
		DAVIS, BENJAMIN G. "Mimicking Posttranslational Modifications of Proteins," Science, Jan. 2004, pp. 480-482, Vol. 303.			
		DWEK, RAYMOND A. "Glycobiology: Toward Understanding the Function of Sugars," Chem. Rev., 1996, pp. 683-720, 96.			
		FIELD, LAMAR, et al. "Biologically Oriented Organic Sulfur Chemistry," J. Org Chem., 1971, pp. 309-313, Vol. 36, No. 2.			
		GAMBLIN, DAVID P., et al. "Glyco-SeS: Selenenylsulfide-Mediated Protein Glycoconjugation — A New Strategy in Post-Translational Modification," Angew. Chem. Int. Ed., 2004, pp. 828-833, Vol. 43, No. 7.			
		GAMBLIN, DAVID P., et al. "Glycosyl Phenylthiosulfonates (Glyco-PTS): novel reagents for glycoprotein synthesis," Org. Biomol. Chem., 2003, pp. 3642-3644, Vol. 1, No. 21.			
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		RAJCA, ANDRZEJ, et al. "Synthesis of Unsymmetrical Disulfides with Thiolsulfonates Immobilised on a Polystyrene Support," Tetrahedron Letters, August 1990, pp. 6075-6076, 31, 42.			
		REICH, HANS J., et al. "Organoselenium Chemistry. Alkylation of Acid, Ester, Amide, and Ketone Enolates with Bromomethyl Benzyl Selenide and Sulfide: Preparation of Selenocysteine Derivatives," J. Org. Chem., 1986, pp. 2981-2988, Vol. 51, No. 15.			
		YAMADA, SHUNICHI, et al. "Syntheses of Thiamine Alkyl Disulfides," CAS XP002300619, 1954, pp. 963-966, 74 (Abstract).			

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